## **AMENDMENTS TO THE CLAIMS**

1. (Currently amended) A method of fabricating a steel part, the method comprising the steps of:

preparing and casting a steel having the following composition in percentage by weight:  $0.06\% \le C \le 0.25\%$ ;  $0.5\% \le Mn \le 2\%$ ; traces  $\le Si \le 3\%$ ; traces  $\le Ni \le 4.5\%$ ; traces  $\le Al \le 3\%$ ; traces  $\le Cr \le 1.2\%$ ; traces  $\le Mo \le 0.30\%$ ; traces  $\le V \le 2\%$ ; traces  $\le Cu \le 3.5\%$ ; and  $0.005\% \le S \le 0.2\%$ ;

wherein the steel contains 5 ppm to 50 ppm of B, and 0.005% to 0.04% of Ti, where the Ti content is equal to at least 3.5 times the N content of the steel; and wherein the steel further contains at least one of the following elements: Ca up to 0.007%; Te up to 0.03%; Se up to 0.05%; Bi up to 0.05%; and Pb up to 0.1%, and

wherein the steel satisfies at least one of the following conditions:

- \*  $0.5\% \le Cu \le 3.5\%$ ;
- \*  $0.5\% \le V \le \frac{2\%}{2}$ ;
- \*  $2\% \le Ni \le 4.5\%$  and  $1\% \le Al \le 2\%$ ;

the remainder being iron and impurities resulting from preparation;

- · hot deforming the cast steel at least once at a temperature in the range 1100°C to 1300°C in order to obtain a blank of the part;
- · controlled cooling of the blank for the part in still air or forced air to obtain a bainite microstructure; and
- · heating the steel to perform precipitation annealing before or after machining the part from said-blank.blank.
  - wherein the hot deformation is forging;
- wherein when the steel comprises 0.5% to 3.5% of Cu, the precipitation annealing is performed in the range of 425°C to 500°C for 1 h to 10 h, when steel comprises 0.5% to 2% of V, the precipitation annealing is performed in the range of 500°C to 600°C for more than 1 h, and when the steel comprises 2% to 4.5% of Ni and 1% to 2% of Al, the precipitation annealing is performed in the range of 500°C to 550°C for more than 1 h; and
- wherein the controlled cooling of the blank is performed at a rate less than or equal to 3°C/s in the range of 600°C to 300°C.

## 2-4. (Cancelled)

5. (Currently amended) A<u>The</u> method according to claim 1, wherein the steel <u>further</u> contains 0.005% to 0.06% of Nb.

## 6-7. (Cancelled)

- 8. (Currently amended) A<u>The</u> method according to claim 1, wherein the C content of the steel lies in the range 0.06% to 0.20%.
- 9. (Currently amended) A<u>The</u> method according to claim 8, wherein Mn content of the steel lies in the range 0.5% to 1.5%, and wherein the Cr content lies in the range 0.3% to 1.2%.
- 10. (Currently amended) A<u>The</u> method according to claim 8, wherein the Ni content of the steel lies in the range traces to 1%.
- 11. (Currently amended) A<u>The</u> method according to claim 8, wherein the Ni content of the steel lies in the range 2% to 4.5%, and wherein the Al content lies in the range 1% to 2%.

## 12-18. (Cancelled)

- 19. (Original) A steel part, obtained by the method according to claim 1.
- 20. (Currently amended) A<u>The</u> steel part according to claim <u>1819</u>, the part possessing bainite microstructure, tensile strength Rm of <u>750-1000</u> MPa to 1300 MPa, and a yield strength Re greater than or equal to <u>500-900</u> MPa.
- 21. (Currently amended) A<u>The</u> method according to claim 1, wherein the steel part possesses bainite microstructure.